

INDUSTRIAL COMPONENT DATA

**DC1-127D0FB-A6SOE1 199406 Y7-199406 EATON ELECTRIC
DC1-127D0FB-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-127D0FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-127D0FB-A6SOE1
Catalog number	Y7-199406
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-71FCDFB1
Generated	2026-08-04

Product Overview

DC1-127D0FB-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS2

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 1-phase, 240 V AC, single-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 7 \text{ A}$, Note: Rated operational current at an operating frequency of 6 kHz and an ambient air temperature of $+40^\circ \text{C}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For normal internally and externally ventilated four-pole three-phase asynchronous motors with 1500 rpm at 50 Hz and 1800 rpm at 60 Hz, Overload cycle for 60 s every 600 s, at 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 6.3 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 6.8 \text{ A}$, Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference suppression filter, Brake chopper, 7-digital display ass...

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path EATON - MOELLER > Power XL Frequency Converters

Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 199406 Model Code DC1-127D0FB-A6SOE1 EAN 4015081977956 Product Length/Depth 182 mm Product Height 257 mm Product Width 188 mm Product Weight 3.5 kg

Certifications IEC/EN61800-5

IEC/EN 61800-3

UL Category Control No.: NMMS, NMMS7

UL Listed

UL

RCM

IEC/EN 61800-5-1

UL report applies to both US and Canada

IEC/EN 61800-2

RoHS, ISO 9001

Certified by UL for use in Canada

CUL

UkrSEPRO

CSA-C22.2 No. 14

CE

EAC

UL 508C

UL File No.: E172143

CE marking Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: Keypad

Parameterization: Fieldbus

Parameterization: drivesConnect mobile (App) Fitted with: Control unit

Additional PCB protection

Breaking resistance

Brake chopper

UV resistance

Radio interference suppression filter

Local controls

PC connection

IGBT inverter

7-digital display assembly

Internal DC link Functions 4-quadrant operation possible General

Cable length C3 ≤ 25 m, maximum motor cable length

150 m, unscreened, maximum permissible cable length

100 m, screened, maximum permissible cable length

C1 ≤ 1 m, maximum motor cable length

C2 ≤ 5 m, maximum motor cable length

200 m, screened, with motor choke, maximum permissible cable length

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

SmartWire-DT, optional

CANopen®, built in

OP-Bus (RS485), built in Connection to SmartWire-DT No Degree of prote...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-127D0FB-A6SOE1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.